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Enter NEWS followed by the item number or name to see news on that

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FILE 'HOME' ENTERED AT 15:01:11 ON 02 AUG 2005

FILE 'REGISTRY' ENTERED AT 15:01:23 ON 02 AUG 2005
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STRUCTURE FILE UPDATES: 1 AUG 2005 HIGHEST RN 857935-17-2
DICTIONARY FILE UPDATES: 1 AUG 2005 HIGHEST RN 857935-17-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

```
*****
* The CA roles and document type information have been removed from
* the IDE default display format and the ED field has been added,
* effective March 20, 2005. A new display format, IDERL, is now
* available and contains the CA role and document type information.
*****
*****
```

Structure search iteration limits have been increased. See HELP SLIMITS for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> s glycyrrhetic acid/cn
L1 0 GLYCOURRETINIC ACID/CN

=> file caplus
COST IN U.S. DOLLARS
SINCE FILE
ENTRY
TOTAL
SESSION
5.03
5.24
FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 15:01:55 ON 02 AUG 2005
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FILE COVERS 1907 - 2 Aug 2005 VOL 143 ISS 6
FILE LAST UPDATED: 1 Aug 2005 (20050801/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> s glycyretinic acid
      7 GLYCYRRETINIC
      4011602 ACID
      1485594 ACIDS
      4492140 ACID
          (ACID OR ACIDS)
L2      7 GLYCYRRETINIC ACID
          (GLYCYRRETINIC(W)ACID)
```

=> d scan

```
L2      7 ANSWERS  CAPLUS  COPYRIGHT 2005 ACS on STN
IC      ICM  C07C062-38
      ICS  C07C069-013; C07D313-06; C12P015-00
ICA     A61K031-19; A61K031-365
ICI     C12P015-00, C12R001-14
CC      16-2 (Fermentation and Bioindustrial Chemistry)
TI      Manufacture of glycyrrhetic acid derivatives
ST      glycyrrhetic acid manuf microorganism; Chainia glycyrrhetic acid fermn
IT      Chainia antibiotica
          (glycyrrhetic acid derivs. manufacture by)
IT      Fermentation
          (glycyrrhetic acid derivs., by Chainia antibiotica)
IT      Inflammation inhibitors and Antiarthritics
          (glycyrrhetic acid derivs., manufacture of, by Chainia antibiotica)
IT      Allergy
      Ulcer
          (inhibitors, glycyrrhetic acid derivs., manufacture of, by Chainia
          antibiotica)
IT      471-53-4DP, derivs. 102292-08-0P 103488-78-4P 103498-64-2P
      103498-65-3P 103515-15-7P 103562-30-7P 103880-69-9P 104901-14-6P
      RL: BMF (Bioindustrial manufacture); BIOL (Biological study); PREP
          (Preparation)
          (manufacture of, with Chainia antibiotica)
```

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

```
L2      7 ANSWERS  CAPLUS  COPYRIGHT 2005 ACS on STN
IC      C07C
INCL   260468500
CC      30-30 (Terpenoids)
      Section cross-reference(s): 1
TI      18 $\beta$ -Glycyrrhetic acid amides
ST      antiulcer glycyretinic acid amide
```

IT Ulcer
(inhibitors, glycyrrhetic acid amides)
IT 471-53-4
RL: RCT (Reactant); RACT (Reactant or reagent)
(acylation by, of amino acid derivs.)
IT 5680-80-8
RL: RCT (Reactant); RACT (Reactant or reagent)
(acylation of, by glycyrrhetic acid)
IT 3417-91-2 7524-52-9 13433-00-6
RL: RCT (Reactant); RACT (Reactant or reagent)
(acylation of, by oleanenoyl chloride)
IT 142-84-7
RL: RCT (Reactant); RACT (Reactant or reagent)
(amidation of, by Me carbobenzyloxyglutamate)
IT 4652-65-7
RL: RCT (Reactant); RACT (Reactant or reagent)
(chlorination of)
IT 30151-31-6P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation and reaction with amino acids)
IT 6277-14-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation and reaction with thionyl chloride)
IT 2491-18-1P 7524-50-7P 18684-16-7P 39256-89-8P 51297-29-1P
51297-33-7P 51298-45-4P 51298-46-5P 51298-48-7P 51298-49-8P
51298-50-1P 51298-51-2P 51298-53-4P 51298-54-5P 51298-55-6P
51376-11-5P 55874-07-2P 55874-08-3P 55874-09-4P 55874-10-7P
55874-11-8P 55903-88-3P 55903-89-4P 55914-48-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
IT 4070-43-3
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction with benzyl chloroformate)
IT 501-53-1
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction with ethyl aspartate)

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L2 7 ANSWERS CAPLUS COPYRIGHT 2005 ACS on STN
CC 2-1 (Mammalian Hormones)
TI Mass spectrometry in the diagnosis of steroid-related disorders and in hypertension research
ST mass spectrometry steroid related disorder diagnosis; mineralocorticosteroid metab disorder diagnosis mass spectrometry; licorice metabolite mass spectrometry; **glycyrrhetic acid** mass spectrometry; urine steroid HPLC electrospray mass spectrometry; liq chromatog mass spectrometry steroid urine
IT Steroids, analysis
RL: ANT (Analyte); ANST (Analytical study)
(determination of, in urine of human by microbore HPLC combined with electrospray mass spectrometry)
IT Mass spectrometry
(in steroid-related disorder diagnosis and hypertension research)
IT Diagnosis
(of steroid-related disorders, mass spectrometry in)
IT Urine analysis
(steroids determination in, of human by microbore HPLC combined with electrospray mass spectrometry)
IT Chromatography, column and liquid
(high-performance, combined with mass spectrometry, for steroid determination)

in urine of human)
IT Steroids, biological studies
RL: BIOL (Biological study)
(metabolic disorders, mass spectrometry in diagnosis of)
IT Corticosteroids, biological studies
RL: BIOL (Biological study)
(mineralo-, metabolic disorders, mass spectrometry in diagnosis of)
IT 471-53-4
RL: ANT (Analyte); ANST (Analytical study)
(determination of, in urine of human by microbore HPLC combined with
electrospray mass spectrometry)

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L2 7 ANSWERS CAPLUS COPYRIGHT 2005 ACS on STN
IC C07C; A61K
CC 30-30 (Terpenoids)
Section cross-reference(s): 63
TI Glycyrretinic acid derivatives
ST glycyrretinylaminobenzamide; benzamide glycyrretinylamino;
metoclopramide glycyrretinyl; digestive tract glycyrretinyl
metoclopramide
IT Digestive tract
(disorders of, glycyrretinylmetoclopramides in treatment of)
IT 5356-59-2
RL: RCT (Reactant); RACT (Reactant or reagent)
(chlorination of)
IT 58096-33-6P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation and hydrolysis of)
IT 58096-34-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation and oxidation of)
IT 58096-35-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation and reaction of, with metoclopramide)
IT 58096-36-9P 58096-37-0P 58096-38-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
IT 364-62-5
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with glycyrretinic acid derivs.)
IT 30151-31-6
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with metoclopramide)

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L2 7 ANSWERS CAPLUS COPYRIGHT 2005 ACS on STN
CC 1-2 (Pharmacology)
TI Effect of human serum albumin on transport of drugs through human
erythrocyte membranes
ST serum albumin drug transport erythrocyte membrane
IT Erythrocyte
Pharmacokinetics
(serum albumin effect on drug transport through human erythrocyte
membranes)
IT Albumins, biological studies
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); BIOL (Biological study)
(serum albumin effect on drug transport through human erythrocyte

membranes)

IT Aglycons
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
(serum albumin effect on drug transport through human erythrocyte membranes)

IT Glycosides
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
(serum albumin effect on drug transport through human erythrocyte membranes)

IT 50-78-2, Aspirin 62-23-7, p-Nitrobenzoic acid 65-85-0, Benzoic acid, biological studies 69-72-7, o-Hydroxybenzoic acid, biological studies 74-11-3, p-Chlorobenzoic acid 88-65-3, o-Bromobenzoic acid 90-01-7, Saligenin 99-04-7, m-Toluic acid 99-05-8 99-06-9, biological studies 99-94-5, p-Toluic acid 99-96-7, p-Hydroxybenzoic acid, biological studies 100-02-7, p-Nitrophenol, biological studies 118-90-1, o-Toluic acid 118-91-2, o-Chlorobenzoic acid 118-92-3, o-Aminobenzoic acid 121-92-6, m-Nitrobenzoic acid 123-31-9, Hydroquinone, biological studies 138-52-3, Salicin 150-13-0, p-Aminobenzoic acid 303-07-1, γ -Resorcyclic acid 445-29-4, o-Fluorobenzoic acid 455-38-9, m-Fluorobenzoic acid 456-22-4, p-Fluorobenzoic acid 471-53-4, Glycyrrhetic acid 487-54-7, Salicyluric acid 497-76-7, Arbutin 535-80-8 552-16-9, o-Nitrobenzoic acid 585-76-2, m-Bromobenzoic acid 586-76-5, p-Bromobenzoic acid 1405-86-3, Glycyrrhizin
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
(serum albumin effect on drug transport through human erythrocyte membranes)

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L2 7 ANSWERS CAPLUS COPYRIGHT 2005 ACS on STN
CC 1-5 (Pharmacodynamics)
TI Antiinflammatory effect of glycyrrhetic acid derivatives
ST glycyrrhetic acid deriv inflammation inhibitor
IT Inflammation inhibitors
(glycyrrhetic acid derivs.)
IT 7421-40-1 10251-37-3 66067-20-7 66067-21-8 66067-22-9 66101-51-7
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(inflammation inhibition by)

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L2 7 ANSWERS CAPLUS COPYRIGHT 2005 ACS on STN
CC 11H (Biological Chemistry: Pharmacology)
TI Glycyrrhetic acid-a triterpene with antiestrogenic and antiinflammatory activity
IT Inflammation
(-inhibiting substances, glycyrrhetic acid as)
IT Estrogenic hormones
(liver response to)
IT Estrogenic hormones
(uterus response to, glycyrrhetic acid effect on)
IT 471-53-4, Olean-12-en-30-oic acid, 3 β -hydroxy-11-oxo-
(as estrogen antagonist and inflammation inhibitor)
IT 50-78-2, Acetylsalicylic acid
(inflammation inhibition by)

ALL ANSWERS HAVE BEEN SCANNED

```
=> file reg
COST IN U.S. DOLLARS
          SINCE FILE      TOTAL
          ENTRY        SESSION
FULL ESTIMATED COST          5.13      10.37
```

FILE 'REGISTRY' ENTERED AT 15:04:00 ON 02 AUG 2005
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STRUCTURE FILE UPDATES: 1 AUG 2005 HIGHEST RN 857935-17-2
DICTIONARY FILE UPDATES: 1 AUG 2005 HIGHEST RN 857935-17-2

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TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

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```
*****
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,      *
* effective March 20, 2005. A new display format, IDERL, is now        *
* available and contains the CA role and document type information.  *
*****
*****
```

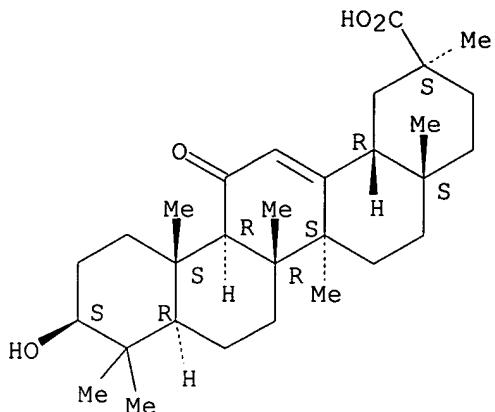
Structure search iteration limits have been increased. See HELP SLIMITS
for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

```
=> s 471-53-4
L3      1 471-53-4
          (471-53-4/RN)
```

```
=> d str cn
L3  ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2005 ACS on STN
```

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

CN Olean-12-en-29-oic acid, 3-hydroxy-11-oxo-, (3 β ,20 β)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Olean-12-en-30-oic acid, 3 β -hydroxy-11-oxo- (8CI)

CN Uralenic acid (7CI)

OTHER NAMES:

CN α -Glycyrrhetic acid

CN 18 β -Glycyrrhetic acid

CN 18 β -Glycyrrhetinic acid

CN Arthrodont

CN Biosone

CN Enoxolone

CN Glycyrrhetic acid

CN Glycyrrhetin

CN Glycyrrhetinic acid

CN GM 1658

CN NSC 35347

CN PO 12

CN STX 352

CN Subglycyrrheinic acid

=> file caplus

COST IN U.S. DOLLARS

| | SINCE FILE ENTRY | TOTAL SESSION |
|---------------------|---------------------|------------------|
| FULL ESTIMATED COST | 2.70 | 13.07 |

FILE 'CAPLUS' ENTERED AT 15:04:56 ON 02 AUG 2005

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FILE LAST UPDATED: 1 Aug 2005 (20050801/ED)

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=> s 471-53-4/rn
1466 471-53-4
122 471-53-4D
L4 1397 471-53-4/RN
(471-53-4 (NOTL) 471-53-4D)

=> s cosmetic? and L4
71289 COSMETIC?
L5 223 COSMETIC? AND L4

=> s retinoid?
L6 13662 RETINOID?

=> s L6 and L5
L7 14 L6 AND L5

=> s phosphatidylcholine
36800 PHOSPHATIDYLCHOLINE
30436 PHOSPHATIDYLCHOLINES
L8 48154 PHOSPHATIDYLCHOLINE
(PHOSPHATIDYLCHOLINE OR PHOSPHATIDYLCHOLINES)

=> s L7 and L8
L9 1 L7 AND L8

=> d 1 ibib abs

L9 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2002:31216 CAPLUS
DOCUMENT NUMBER: 136:90707
TITLE: Skin conditioning compositions containing compounds for mimicking the effect of retinoic acid on skin
INVENTOR(S): Granger, Stewart Paton; Scott, Ian Richard; Donovan, Robert Mark; Iobst-Teklits, Susanne; Licameli, Lisa
PATENT ASSIGNEE(S): Unilever PLC, UK; Unilever NV; Hindustan Lever Limited
SOURCE: PCT Int. Appl., 74 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------|
| WO 2002002074 | A2 | 20020110 | WO 2001-EP7234 | 20010625 |
| WO 2002002074 | A3 | 20030612 | | |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| CA 2412788 | AA | 20020110 | CA 2001-2412788 | 20010625 |

| | | | | |
|--|----|----------|----------------|----------|
| AU 2001079687 | A5 | 20020114 | AU 2001-79687 | 20010625 |
| EP 1333800 | A2 | 20030813 | EP 2001-957886 | 20010625 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | | |
| BR 2001012142 | A | 20031007 | BR 2001-12142 | 20010625 |
| JP 2004501952 | T2 | 20040122 | JP 2002-506696 | 20010625 |
| ZA 2002010288 | A | 20031219 | ZA 2002-10288 | 20021219 |
| US 2004043044 | A1 | 20040304 | US 2003-312659 | 20030811 |
| PRIORITY APPLN. INFO.: | | | | |
| US 2000-215301P P 20000630 | | | | |
| WO 2001-EP7234 W 20010625 | | | | |

AB A skin care product comprising about 0.001-10% of a **retinoid**, in combination with at least two **retinoid** boosters (0.0001-50%). **Retinoid** boosters are selected from fatty acid amides, carotenoids, flavonoids, non-cyclic fragrance compds., phospholipid analogs, ureas, **phosphatidylcholines**, phosphatidylethanolamines, sphingomyelins, fatty acids, linseed oil, elaidic acid, bifonazole, climbazole, clotrimazole, econazole, quercetin, coumarin, quinolines, isoquinolines, etc. A composition according to the invention is intended primarily as a product for topical application to human skin, especially as an agent for conditioning and smoothening the skin, and preventing or reducing the appearance of wrinkled or aged skin. In use, a small quantity of the composition is applied to exposed areas of the skin, from a suitable container or applicator and, if necessary, it is then spread over and/or rubbed into the skin using the hand or fingers or a suitable device. For example, a synergistic inhibition of transglutaminase, as a marker of skin differentiation, was observed by retinol with various quaternary combinations of **retinoid** boosters, e.g., acetyl sphingosine, **phosphatidylcholine**, linoleic acid, and climbazole.

=> d L7 1-14 ibib abs

L7 ANSWER 1 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 2005:57110 CAPLUS
 DOCUMENT NUMBER: 142:120194
 TITLE: Cosmetic and topical preparations containing extracellular polysaccharide of *Alteromonas macleodii* for alleviation of skin irritation
 INVENTOR(S): Ichiji, Yasushi
 PATENT ASSIGNEE(S): Arista Lifescience Corporation, Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|-------------------------|------|----------|-----------------|----------|
| JP 2005015375 | A2 | 20050120 | JP 2003-181255 | 20030625 |
| JP 2003-181255 20030625 | | | | |

PRIORITY APPLN. INFO.: AB Title prepns., useful for aftershave lotion, etc., contain extracellular polysaccharide-containing fermentation exts. of *A. macleodii*, which live in 2500-3000 m-deep sea water. Thus, the exts. inhibited rise of ICAM-1 in human keratinocyte and enhanced collagen matrix formation in human fibroblast cells.

L7 ANSWER 2 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 2004:893261 CAPLUS
 DOCUMENT NUMBER: 142:120155
 TITLE: Skin external application agent for whitening skin
 INVENTOR(S): Lee, Byeong Gon
 PATENT ASSIGNEE(S): Pacific Co., Ltd., S. Korea
 SOURCE: Repub. Korean Kongkae Taeho Kongbo, No pp. given

CODEN: KRXXA7

DOCUMENT TYPE: Patent

LANGUAGE: Korean

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------|------|----------|-----------------|----------|
| KR 2001060882 | A | 20010707 | KR 1999-63340 | 19991228 |

| | | |
|------------------------|---------------|----------|
| PRIORITY APPLN. INFO.: | KR 1999-63340 | 19991228 |
|------------------------|---------------|----------|

AB An external application for whitening the skin comprising **retinoid**, vitamin C, a paper mulberry extract or the like is provided, which has excellent skin whitening effect on preventing skin hyperpigmentation such as freckles, ephelides and sun burn. The external application for whitening the skin comprises 0.01 to 20% by weight of a skin whitening agent containing 0.001 to 5% by weight of **retinoid**, 0.001 to 5% by weight of vitamin C, 0.001 to 5% by weight of a paper mulberry extract, 0.001 to 5% by weight of glycyrrhetic acid and 0.01 to 10% by weight of coenzyme Q10 based the total weight of the composition

L7 ANSWER 3 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2004:681394 CAPLUS

DOCUMENT NUMBER: 141:195313

TITLE: Chemical enhancer and method

INVENTOR(S): Hansenne, Isabelle; Cornell, Marc; Fares, Hani; Foltis, Sidney P.

PATENT ASSIGNEE(S): L'Oreal S.A., Fr.

SOURCE: U.S. Pat. Appl. Publ., 8 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------|------|----------|-----------------|----------|
| US 2004162272 | A1 | 20040819 | US 2003-367700 | 20030219 |

| | | | | |
|---------------|----|----------|----------------|----------|
| WO 2004073745 | A1 | 20040902 | WO 2004-EP1169 | 20040206 |
|---------------|----|----------|----------------|----------|

W: AE, AE, AG, AL, AL, AM, AM, AM, AT, AT, AU, AZ, AZ, BA, BB, BG, BG, BR, BR, BY, BY, BZ, BZ, CA, CH, CN, CN, CO, CO, CR, CR, CU, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EC, EE, EE, EG, ES, ES, FI, FI, GB, GD, GE, GE, GH, GM, HR, HR, HU, HU, ID, IL, IN, IS, JP, JP, KE, KE, KG, KG, KP, KP, KR, KR, KZ, KZ, KZ, LC, LK, LR, LS, LS, LT, LU, LV, MA, MD, MD, MG, MK, MN, MW, MX, MX, MZ, MZ, NA, NI

RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

| | | |
|------------------------|----------------|------------|
| PRIORITY APPLN. INFO.: | US 2003-367700 | A 20030219 |
|------------------------|----------------|------------|

OTHER SOURCE(S): MARPAT 141:195313

AB The present invention relates to compns. containing at least one salicylic acid derivative and at least one **cosmetic**, dermatol., pharmaceutical, etc. active agent, where the salicylic acid derivative increases, enhances, etc., the efficacy of the active agent, as well as to methods of making and using such compns. The invention further relates to a method for enhancing the efficacy of active agents with these salicylic acid derivs. For example, a cream was formulated containing hydroquinone 4, capryloylsalicylic acid 1, glycerin 23, propylene glycol 6, dimethicone 20, dimethicone-vinyldimethicone copolymer 5, preservatives q.s., sesquestrants q.s., antioxidants q.s., and water balance to 100 %.

L7 ANSWER 4 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 2002:698734 CAPLUS
 DOCUMENT NUMBER: 137:315740
 TITLE: Composition for external use showing improvement effect on skin wrinkle and inhibition effect on wrinkle-formation
 INVENTOR(S): Cho, Yun Gi; Hwang, Jae Seong; Kim, Jun O.; Lee, Jin Seon; Oh, Ji Yeon; Park, Byeong Hwa; Park, Won Man
 PATENT ASSIGNEE(S): Pacific Co., Ltd., S. Korea
 SOURCE: Repub. Korean Kongkae Taeho Kongbo, No pp. given
 CODEN: KRXXA7
 DOCUMENT TYPE: Patent
 LANGUAGE: Korean
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------|------|----------|-----------------|----------|
| KR 2001001290 | A | 20010105 | KR 1999-20416 | 19990603 |

PRIORITY APPLN. INFO.: KR 1999-20416 19990603

AB A composition for external use containing **retinoids**, vegetable sterols, isoflavonoid, cytokinins and glycyrrhetic acid is provided, which improves skin wrinkle and shows good inhibition effect on wrinkle-formation. A process for the preparation of antiwrinkle essence comprises: (1) mixing distilled water, glycerin, hyaluronic acid, β -glucan, and Carbomer at 70°; (2) adding retinol 0.00001-30 %, β -sitosterol 0.00001-30 %, genistein 0.00001-30 %, kinetin 0.00001-30 %, glycyrrhetic acid 0.00001-30 %, liquid paraffin, squalane, stearyl glucoside, sorbitan sesquioleate, cetearyl alc., preservatives, and perfumes to the above solution, (3) emulsifying and increasing viscosity by adding triethanolamine; and (4) eliminating bubbles and cooling to room temperature to get the objective essence.

L7 ANSWER 5 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 2002:521446 CAPLUS
 DOCUMENT NUMBER: 137:83429
 TITLE: Skin care product containing a **retinoid** and a **retinoid** booster system in a dual compartment package
 INVENTOR(S): Granger, Stewart Paton; Pillai, Sreekumar; Scott, Ian Richard
 PATENT ASSIGNEE(S): Unilever P.L.C., UK; Unilever N.V.; Hindustan Lever Limited
 SOURCE: PCT Int. Appl., 50 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------|------|----------|-----------------|----------|
| WO 2002053125 | A2 | 20020711 | WO 2001-EP14769 | 20011213 |
| WO 2002053125 | A3 | 20021003 | | |

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,

BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
 PRIORITY APPLN. INFO.: US 2000-258460P P 20001228
 AB A stable skin care product contains a first composition comprising about 0.001-10% a **retinoid**, a second composition comprising 0.0001-50% at least 1 **retinoid booster**, a first compartment for storing the first composition, and a second compartment for storing the second composition, the first and second compartments being joined together. Thus, a combination of oleoyl hydroxyethylimidazoline and climbazole along with retinol inhibited the expression of transglutaminase.

L7 ANSWER 6 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 2002:521445 CAPLUS
 DOCUMENT NUMBER: 137:83428
 TITLE: Stable skin care compositions containing a **retinoid** and a **retinoid booster** system
 INVENTOR(S): Granger, Stewart Paton; Chandar, Prem; Scott, Ian Richard
 PATENT ASSIGNEE(S): Unilever P.L.C., UK; Unilever N.V.; Hindustan Lever Limited
 SOURCE: PCT Int. Appl., 49 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|------------|
| WO 2002053124 | A2 | 20020711 | WO 2001-EP14491 | 20011206 |
| WO 2002053124 | A3 | 20030522 | | |
| WO 2002053124 | B1 | 20040304 | | |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| US 2003049286 | A1 | 20030313 | US 2001-8067 | 20011105 |
| CA 2431540 | AA | 20020711 | CA 2001-2431540 | 20011206 |
| EP 1349536 | A2 | 20031008 | EP 2001-272638 | 20011206 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | | |
| JP 2004526690 | T2 | 20040902 | JP 2002-554075 | 20011206 |
| ZA 2003004440 | A | 20040625 | ZA 2003-4440 | 20030606 |
| PRIORITY APPLN. INFO.: | | | US 2000-258459P | P 20001228 |
| | | | WO 2001-EP14491 | W 20011206 |

AB A stable skin care composition contains 0.0001-50% at least 1 **retinoid booster**, 0.001-10% a **retinoid**, and a **cosmetically acceptable vehicle**, wherein the stable skin care composition is contained in a package so that the composition is out of contact with oxygen. A synergistic inhibition of transglutaminase expression by a combination of oleoyl hydroxyethylimidazoline and climbazole with retinol was observed

L7 ANSWER 7 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 2002:521422 CAPLUS
 DOCUMENT NUMBER: 137:83423
 TITLE: Skin care product containing **retinoids**, **retinoid booster** and **phytoestrogens** in a dual

INVENTOR(S): compartment package
 Pillai, Sreekumar; Granger, Stewart Paton; Scott, Ian
 Richard; Pocalyko, David Joseph
 PATENT ASSIGNEE(S): Unilever P.L.C., UK; Unilever N.V.; Hindustan Lever
 Limited
 SOURCE: PCT Int. Appl., 56 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|------------|
| WO 2002053108 | A2 | 20020711 | WO 2001-EP14486 | 20011206 |
| WO 2002053108 | A3 | 20020926 | | |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| US 2002143059 | A1 | 20021003 | US 2001-3850 | 20011102 |
| CA 2431539 | AA | 20020711 | CA 2001-2431539 | 20011206 |
| EP 1349538 | A2 | 20031008 | EP 2001-990538 | 20011206 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | | |
| ZA 2003003936 | A | 20040521 | ZA 2003-3936 | 20011206 |
| JP 2004522728 | T2 | 20040729 | JP 2002-554059 | 20011206 |
| PRIORITY APPLN. INFO.: | | | US 2000-258457P | P 20001228 |
| | | | WO 2001-EP14486 | W 20011206 |

AB A stable skin care product contains a first composition comprising 0.001-10% a **retinoid**, a second composition comprising 0.0001-50% at least 1 **retinoid booster** and 0.001-10% a **phytoestrogen**. The products also contain a compartment for storing the first composition and a second compartment for storing the second composition, the first and second compartments being joined together. Synergy between genistein and daidzein and **retinoids** was tested. In both the studies genistein was delivered to the cells in a soluble form in DMSO/EtOH. Genistein (1 μ m) alone stimulated CRABP-2 significantly. Both genistein and daidzein stimulate **retinoid** activity in a synergistic manner. All the **retinoids** tested, except retinyl acetate showed synergy with genistein and daidzein. These data support our claim that the phytoestrogenic flavonoids genistein and daidzein, when supplied to cells in a soluble form, synergistically enhanced the activity of **retinoids**.

L7 ANSWER 8 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 2002:31216 CAPLUS
 DOCUMENT NUMBER: 136:90707
 TITLE: Skin conditioning compositions containing compounds
 for mimicking the effect of retinoic acid on skin
 INVENTOR(S): Granger, Stewart Paton; Scott, Ian Richard; Donovan,
 Robert Mark; Iobst-Teklits, Susanne; Licameli, Lisa
 PATENT ASSIGNEE(S): Unilever PLC, UK; Unilever NV; Hindustan Lever Limited
 SOURCE: PCT Int. Appl., 74 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|------------|
| WO 2002002074 | A2 | 20020110 | WO 2001-EP7234 | 20010625 |
| WO 2002002074 | A3 | 20030612 | | |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| CA 2412788 | AA | 20020110 | CA 2001-2412788 | 20010625 |
| AU 2001079687 | A5 | 20020114 | AU 2001-79687 | 20010625 |
| EP 1333800 | A2 | 20030813 | EP 2001-957886 | 20010625 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | | |
| BR 2001012142 | A | 20031007 | BR 2001-12142 | 20010625 |
| JP 2004501952 | T2 | 20040122 | JP 2002-506696 | 20010625 |
| ZA 2002010288 | A | 20031219 | ZA 2002-10288 | 20021219 |
| US 2004043044 | A1 | 20040304 | US 2003-312659 | 20030811 |
| PRIORITY APPLN. INFO.: | | | US 2000-215301P | P 20000630 |
| | | | WO 2001-EP7234 | W 20010625 |

AB A skin care product comprising about 0.001-10% of a **retinoid**, in combination with at least two **retinoid** boosters (0.0001-50%). **Retinoid** boosters are selected from fatty acid amides, carotenoids, flavonoids, non-cyclic fragrance compds., phospholipid analogs, ureas, phosphatidylcholines, phosphatidylethanolamines, sphingomyelins, fatty acids, linseed oil, elaidic acid, bifonazole, climbazole, clotrimazole, econazole, quercentin, coumarin, quinolines, isoquinolines, etc. A composition according to the invention is intended primarily as a product for topical application to human skin, especially as an agent for conditioning and smoothening the skin, and preventing or reducing the appearance of wrinkled or aged skin. In use, a small quantity of the composition is applied to exposed areas of the skin, from a suitable container or applicator and, if necessary, it is then spread over and/or rubbed into the skin using the hand or fingers or a suitable device. For example, a synergistic inhibition of transglutaminase, as a marker of skin differentiation, was observed by retinol with various quaternary combinations of **retinoid** boosters, e.g., acetyl sphingosine, phosphatidylcholine, linoleic acid, and climbazole.

L7 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 2001:703418 CAPLUS
 DOCUMENT NUMBER: 135:247024
 TITLE: **Cosmetics** containing Rhodiola extracts and other skin active agents
 INVENTOR(S): Hoshino, Hiroshi; Hata, Tomonori; Sakata, Osamu; Okubo, Toshiaki
 PATENT ASSIGNEE(S): Katsuako K. K., Japan; Kosei Co., Ltd.
 SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------|----------|-----------------|----------|
| JP 2001261548 | A2 | 20010926 | JP 2000-80638 | 20000322 |
| PRIORITY APPLN. INFO.: | | | JP 2000-80638 | 20000322 |

AB This invention relates to skin preps. comprising Rhodiola exts. and other active agents, such as skin-lightening agents, antioxidants, anti-inflammatories, and sunscreens. The compns. inhibit melanin production and show an excellent storage stability. A cream was formulated containing aqueous exts. of Rhodiola and placental hormones along with other conventional ingredients.

L7 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2000:706945 CAPLUS
DOCUMENT NUMBER: 133:271409
TITLE: Cosmetic or dermatological compositions containing a substance for increasing the functionality and/or expression of CD44 membrane receptors of skin cells
INVENTOR(S): Dumas, Marc; Bonte, Frederic
PATENT ASSIGNEE(S): Parfums Christian Dior, Fr.
SOURCE: PCT Int. Appl., 26 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|-------------|
| WO 2000057836 | A2 | 20001005 | WO 2000-FR764 | 20000327 |
| WO 2000057836 | A3 | 20010517 | | |
| W: JP, US | | | | |
| RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| FR 2791260 | A1 | 20000929 | FR 1999-3840 | 19990326 |
| FR 2791260 | B1 | 20030606 | | |
| EP 1165035 | A2 | 20020102 | EP 2000-915224 | 20000327 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI | | | | |
| JP 2002540126 | T2 | 20021126 | JP 2000-607587 | 20000327 |
| US 2004043047 | A1 | 20040304 | US 2003-650965 | 20030829 |
| PRIORITY APPLN. INFO.: | | | FR 1999-3840 | A 19990326 |
| | | | WO 2000-FR764 | W 20000327 |
| | | | US 2001-937507 | B1 20010926 |

AB The invention relates to the uses in cosmetics or pharmaceuticals of at least one active agent for increasing the expression and/or functionality of CD44 membrane receptors of skin cells, enabling the fixation of hyaluronic acid and/or collagen, especially collagen I and/or collagen IV and/or fibronectin on the surface of said skin cells. Preferably, said active agents are alpha hydroxyl acids or alpha keto acids or salts and esters of said acids or manganese chloride. The inventive cosmetic or pharmaceutical compns. improve fixation of hyaluronic acid and/or collagen, especially collagen I or collagen IV and/or fibronectin on the surface of skin cells and improve hydration of the dermis and epidermis and prevent or treat skin-ageing phenomena and inflammatory phenomena. Efficacy of calcium gluconate on fixation of hyaluronic acid on cultured keratinocytes is shown. A moisturizer lotion contained calcium gluconate 0.1, Panax Ginseng extract 0.2, cAMP 0.05, caffeine 0.1, preservatives, perfumes and excipients q.s. 100 g.

L7 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1999:783901 CAPLUS
DOCUMENT NUMBER: 132:26672
TITLE: Antiaging cosmetic composition containing a salt or a divalent metal complex
INVENTOR(S): Bonte, Frederic; Dumas, Marc; Heusele, Catherine; Le Blay, Jacques
PATENT ASSIGNEE(S): Guerlain S.A., Fr.; Le Blay, Jacques

SOURCE: PCT Int. Appl., 30 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|-------------|
| WO 9962481 | A1 | 19991209 | WO 1999-FR1261 | 19990528 |
| W: JP, US RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| FR 2779059 | A1 | 19991203 | FR 1998-6822 | 19980529 |
| FR 2779059 | B1 | 20040910 | | |
| EP 1082098 | A1 | 20010314 | EP 1999-922237 | 19990528 |
| R: CH, DE, ES, FR, GB, IT, LI | | | | |
| JP 2002516838 | T2 | 20020611 | JP 2000-551738 | 19990528 |
| US 6471972 | B1 | 20021029 | US 2000-701341 | 20001128 |
| US 2003059484 | A1 | 20030327 | US 2002-244741 | 20020917 |
| PRIORITY APPLN. INFO.: | | | | |
| | | | FR 1998-6822 | A 19980529 |
| | | | US 1999-297679 | A2 19990506 |
| | | | FR 1996-13585 | A 19961107 |
| | | | WO 1999-FR1261 | W 19990528 |
| | | | US 2000-701341 | A1 20001128 |

AB A cosmetic treatment method for fighting against skin aging effects is disclosed. The invention is characterized in that it consists in using at least one agent promoting the adherence of basal layer keratinocytes to the dermal-epidermal junction, particularly to said junction's collagen IV such as in particular a salt or a divalent metal complex, preferably magnesium aspartate or magnesium chloride optionally associated with an agent stimulating collage IV synthesis and/or an agent stimulating collagen VII synthesis. The invention is useful for preparing cosmetic compns. with anti-wrinkle activity. Efficacy of 1 mM magnesium chloride and 0.25 mM magnesium aspartate in promotion of adherence of human keratinocytes to the collagen type IV is shown. An antiwrinkle cream contained magnesium L-aspartate 0.3, Potentilla erecta 0.01, sodium hyaluronate 0.06, glycerol 5.15, Centella asiatica 0.1, vitamin A palmitate 0.1, vitamin E acetate 0.5, Perilla dry extract 0.5, excipients, fragrances, and preservatives q.s. 100 g.

REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1999:549132 CAPLUS

DOCUMENT NUMBER: 131:174847

TITLE: Cosmetic composition comprising trace elements derived from mineral waters and chelated by plant protein hydrolysates

INVENTOR(S): Fort Lacoste, Lydie; Peyrot, Nicole; Navarro, Roger; Tournay, Alain

PATENT ASSIGNEE(S): Pierre Fabre Dermo-Cosmetique, Fr.

SOURCE: PCT Int. Appl., 31 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|----------|
| WO 9942082 | A1 | 19990826 | WO 1999-FR389 | 19990222 |
| W: CA, JP, US RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, | | | | |

PT, SE

| | | | | |
|---|--|--|----------------|----------|
| FR 2775185 | A1 | 19990827 | FR 1998-2130 | 19980223 |
| FR 2775185 | B1 | 20010907 | | |
| EP 1056440 | A1 | 20001206 | EP 1999-904922 | 19990222 |
| EP 1056440 | B1 | 20040915 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI | | | | |
| AT 275931 | E | 20041015 | AT 1999-904922 | 19990222 |
| PRIORITY APPLN. INFO.: FR 1998-2130 A 19980223 | | | | |
| WO 1999-FR389 W 19990222 | | | | |
| AB | A cosmetic composition for enhancing the condition and appearance of the skin and skin appendages, for stimulating cell regeneration and prevent skin ageing is disclosed. Said composition comprises as active principle minor elements derived from mineral waters and plant protein hydrolyzates which chelate said minor elements. The activity of trace element on the proliferation of fibroblasts and inhibition of free radicals was studied. An emulsion contained mineral oil 5, ethoxylated hydrogenated castor oil 5, triethanolamine 1.5, dimethicone 1, Carbomer 1, fragrances 0.2, trace elements 0.001-20 and mineral water q.s. 100%. | | | |
| REFERENCE COUNT: | 7 | THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT | | |

L7 ANSWER 13 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1999:222782 CAPLUS
 DOCUMENT NUMBER: 130:257188
 TITLE: Use of an excitatory amino acids inhibitors in cosmetic or dermatological compositions for sensitive skin
 INVENTOR(S): Breton, Lionel; Nonotte, Isabelle
 PATENT ASSIGNEE(S): L'oreal, Fr.
 SOURCE: Eur. Pat. Appl., 11 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------|
| EP 904777 | A1 | 19990331 | EP 1998-402327 | 19980922 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO | | | | |
| FR 2768624 | A1 | 19990326 | FR 1997-11959 | 19970925 |
| FR 2768624 | B1 | 19991112 | | |
| CA 2245206 | AA | 19990325 | CA 1998-2245206 | 19980924 |
| JP 11158027 | A2 | 19990615 | JP 1998-270311 | 19980924 |
| JP 2002193834 | A2 | 20020710 | JP 2001-328339 | 19980924 |
| US 6616933 | B1 | 20030909 | US 1998-160151 | 19980925 |
| US 2003202994 | A1 | 20031030 | US 2003-401685 | 20030331 |
| PRIORITY APPLN. INFO.: FR 1997-11959 A 19970925 | | | | |
| JP 1998-270311 A3 19980924 | | | | |
| US 1998-160151 A1 19980925 | | | | |

AB Excitatory amino acids inhibitor are used in cosmetic or dermatol. compns. for the treatment of skin irritations and erythema. A lotion for removing make-ups contained aniracetam 0.0001, antioxidants 0.05, isopropanol 40.00, preservative 0.30, and water q.s. 100%.
 REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1998:157347 CAPLUS
 DOCUMENT NUMBER: 128:221456
 TITLE: Skin care compositions containing a polycyclic triterpene carboxylic acid and a retinoid

INVENTOR(S): Granger, Stewart Paton; Scott, Ian Richard
 PATENT ASSIGNEE(S): Chesebrough-Pond's USA Co., USA
 SOURCE: U.S., 7 pp.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------|
| US 5723139 | A | 19980303 | US 1996-721878 | 19960927 |
| CA 2266615 | AA | 19980402 | CA 1997-2266615 | 19970918 |
| WO 9813019 | A1 | 19980402 | WO 1997-EP5139 | 19970918 |
| W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG | | | | |
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 AB A polycyclic triterpene carboxylic acid in combination with either retinol or retinyl ester resulted in a synergistic inhibition of keratinocyte differentiation. The effects of polycyclic triterpene carboxylic acids in combination with retinol or retinyl ester were analogous to the treatment with retinoic acid. Combination of 2.5×10^{-9} M retinol and 10^{-6} M glycyrrhizic acid repressed keratinocyte TG1 to 45% of control levels, therefore acted synergistically to repress keratinocyte differentiation in an analogous manner to the effect of retinoic acid. An water in oil emulsion contained retinol 0.5, fully hydrogenated coconut oil 3.9, ursolic acid 5, Brij 92 5, bentone 38 0.5, MgSO₄ 7H₂O 0.3, butylated hydroxy toluene 0.01, perfume and water q.s. 100%.

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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(FILE 'HOME' ENTERED AT 15:01:11 ON 02 AUG 2005)

FILE 'REGISTRY' ENTERED AT 15:01:23 ON 02 AUG 2005

L1 0 S GLYCYRRETTINIC ACID/CN

FILE 'CAPLUS' ENTERED AT 15:01:55 ON 02 AUG 2005

L2 7 S GLYCYRRETTINIC ACID

sphingomyelins, fatty acids, linseed oil, elaidic acid, bifonazole, climbazole, clotrimazole, econazole, quercetin, coumarin, quinolines, isoquinolines, etc. A composition according to the invention is intended primarily as a product for topical application to human skin, especially as an agent for conditioning and smoothening the skin, and preventing or reducing the appearance of wrinkled or aged skin. In use, a small quantity of the composition is applied to exposed areas of the skin, from a suitable container or applicator and, if necessary, it is then spread over and/or rubbed into the skin using the hand or fingers or a suitable device. For example, a synergistic inhibition of transglutaminase, as a marker of skin differentiation, was observed by retinol with various quaternary combinations of **retinoid** boosters, e.g., acetyl sphingosine, **phosphatidylcholine**, linoleic acid, and climbazole.